

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-State
Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

(formerly Eaton)

Brand: CORELITE

Report Number: P393798

Luminaire Tested: **I3-CL-60L840-1D-UNV-STD-W-4**

Issue Date: 3/30/2020

Test Information

Test Method: LM-79-08
Report Number: P393798
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2001-656-3)
Test Lab: INNOVATION CENTER
Issue Date: 3/30/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: I3-CL-60L840-1D-UNV-STD-W-4
Description: CORELITE I3, CLEAR TOP COVER
6000 LUMENS
Light Source: 4000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

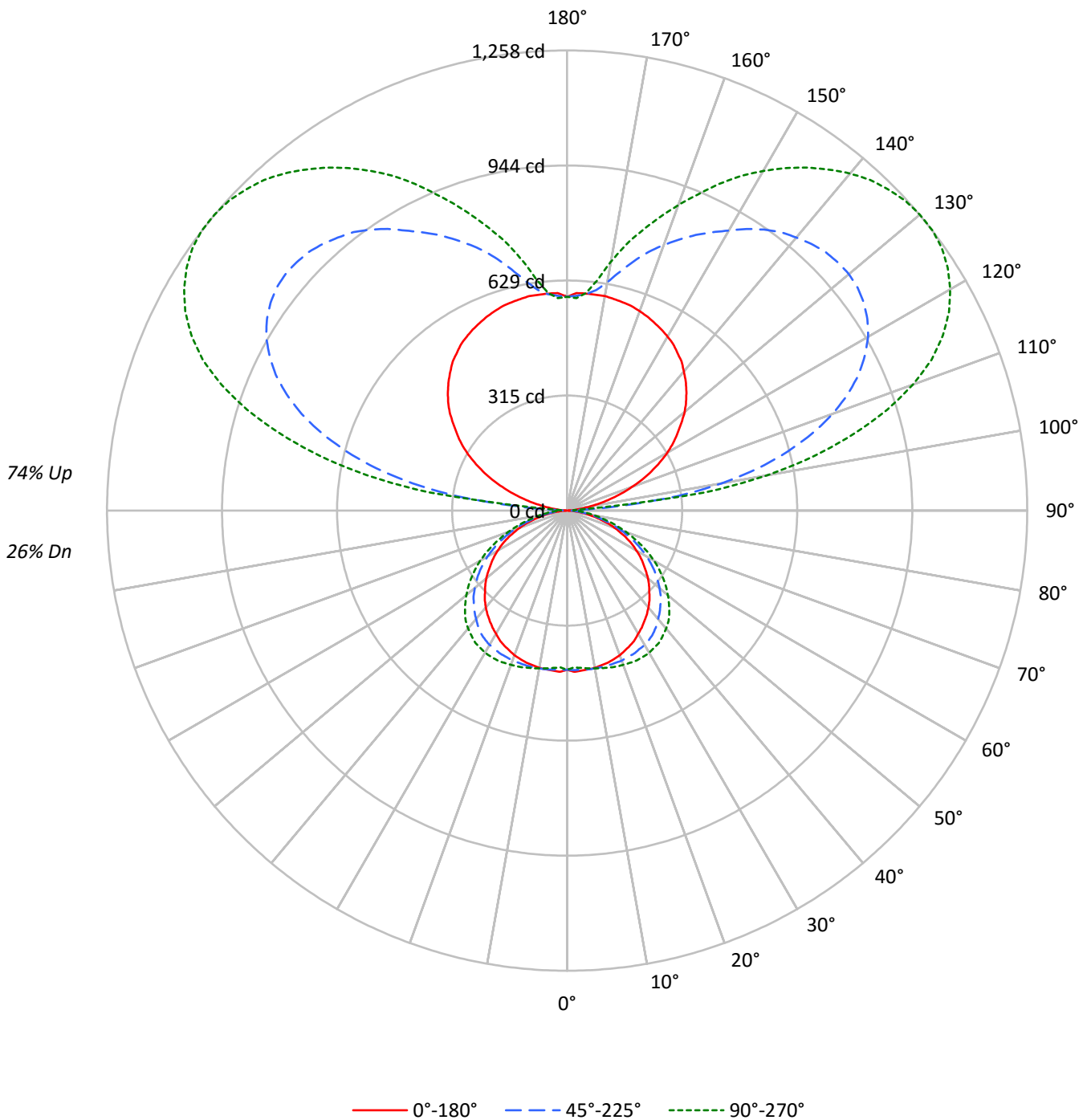
Lumens per Lamp: N/A
Luminaire Lumens: 5731.3 lumens
Efficiency: N/A
Efficacy: 138.8 lumens/watt
Spacing Criteria (0/90/45): 1.32 / 1.52 / 1.54
Luminous Opening: Rectangular w/ Sides (W: 0.5' x L: 3.92' x H: 0.17')
CIE Type: Semi-Indirect

Input Watts (W): 41.3
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20	
RC	80				70				50				30				10	0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																		
0	101	101	101	101	91	91	91	91	70	70	70	51	51	51	34	34	34	26
1	92	88	84	81	82	79	75	73	61	59	57	45	43	42	30	29	28	22
2	84	77	71	65	74	68	63	59	53	50	47	39	37	35	26	25	24	18
3	76	67	60	54	68	60	54	49	47	42	39	34	32	29	23	21	20	15
4	70	59	51	45	62	53	46	41	41	37	33	30	27	25	20	18	17	13
5	64	52	44	39	56	47	40	35	37	32	28	27	24	21	18	16	15	11
6	58	47	39	33	52	42	35	30	33	28	24	24	21	18	16	14	13	9
7	54	42	34	29	48	38	31	26	30	25	21	22	19	16	15	13	11	8
8	50	38	30	25	44	34	27	23	27	22	18	20	17	14	14	11	10	7
9	46	34	27	22	41	31	25	20	24	20	16	18	15	13	12	10	9	6
10	43	31	24	20	38	28	22	18	22	18	15	17	13	11	11	9	8	6

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2390	2390	2390
5°	2416	2354	2315
10°	2418	2335	2309
15°	2421	2327	2320
20°	2425	2328	2341
25°	2421	2330	2372
30°	2408	2334	2389
35°	2402	2321	2391
40°	2394	2271	2360
45°	2369	2216	2302
50°	2347	2143	2199
55°	2299	2035	2073
60°	2242	1892	1913
65°	2150	1699	1696
70°	1997	1447	1436
75°	1725	1151	1153
80°	1336	818	844
85°	785	506	566



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	41.6	0.7
10°-20°	123.6	2.2
20°-30°	198.2	3.5
30°-40°	253.5	4.4
40°-50°	276.4	4.8
50°-60°	259.0	4.5
60°-70°	200.9	3.5
70°-80°	115.2	2.0
80°-90°	36.8	0.6
90°-100°	147.8	2.6
100°-110°	574.6	10.0
110°-120°	782.3	13.6
120°-130°	812.1	14.2
130°-140°	720.3	12.6
140°-150°	558.9	9.8
150°-160°	373.0	6.5
160°-170°	198.8	3.5
170°-180°	58.2	1.0
0°-30°	363.5	6.3
0°-40°	617.0	10.8
0°-60°	1152.4	20.1
0°-90°	1505.3	26.3
90°-120°	1504.8	26.3
90°-150°	3596.1	62.7
90°-180°	4226.0	73.7
0°-180°	5731.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	435	435	435	435	435	
5°	440	435	436	435	432	42
15°	430	429	438	444	444	122
25°	407	410	432	447	452	188
35°	369	376	410	432	440	231
45°	318	332	361	384	395	246
55°	254	268	293	313	319	228
65°	180	188	205	219	224	178
75°	94	99	108	119	122	100
85°	18	22	32	42	43	22
90°	2	5	11	15	18	2
95°	18	105	143	29	28	24
105°	122	369	625	742	813	130
115°	254	569	879	1033	1134	251
125°	369	671	990	1163	1251	330
135°	461	706	999	1172	1242	355
145°	526	706	938	1089	1144	330
155°	566	668	831	942	986	261
165°	589	614	706	773	793	167
175°	595	592	594	597	597	57
180°	584	584	584	584	584	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	434.9	434.9	434.9	434.9	434.9	434.9	434.9	434.9	434.9	434.9	434.9
2.5°	441.1	439.5	439.5	436.5	436.5	434.9	434.9	434.9	434.9	434.9	436.5
5°	439.5	439.5	438.0	436.5	436.5	434.9	434.9	434.9	434.9	434.9	436.5
7.5°	438.0	438.0	436.5	434.9	434.9	434.9	434.9	434.9	434.9	434.9	438.0
10°	436.5	436.5	434.9	433.4	433.4	433.4	433.4	434.9	434.9	434.9	438.0
12.5°	433.4	431.8	431.8	430.3	430.3	430.3	431.8	431.8	433.4	434.9	438.0
15°	430.3	430.3	428.8	427.2	428.8	428.8	428.8	430.3	431.8	433.4	438.0
17.5°	425.7	425.7	424.1	424.1	424.1	425.7	425.7	427.2	430.3	433.4	436.5
20°	421.0	419.5	419.5	419.5	421.0	421.0	422.6	425.7	427.2	431.8	436.5
22.5°	413.3	414.9	413.3	413.3	414.9	416.4	418.0	421.0	424.1	428.8	433.4
25°	407.2	407.2	407.2	407.2	410.2	410.2	413.3	416.4	421.0	425.7	431.8
27.5°	399.5	399.5	399.5	401.0	402.5	404.1	405.6	410.2	414.9	421.0	427.2
30°	388.7	388.7	388.7	388.7	393.3	394.8	397.9	404.1	408.7	416.4	424.1
32.5°	379.4	379.4	379.4	380.9	384.0	385.6	388.7	396.4	402.5	410.2	418.0
35°	368.6	368.6	370.1	370.1	374.8	376.3	379.4	385.6	391.7	401.0	410.2
37.5°	357.8	357.8	359.4	360.9	364.0	367.1	370.1	376.3	382.5	390.2	399.5
40°	345.5	345.5	347.0	348.6	353.2	356.3	359.4	365.5	371.7	379.4	387.1
42.5°	333.1	333.1	334.7	336.2	340.8	343.9	347.0	354.7	360.9	368.6	374.8
45°	317.7	319.3	320.8	323.9	328.5	331.6	334.7	340.8	348.6	354.7	360.9
47.5°	303.8	305.4	306.9	310.0	314.6	317.7	320.8	327.0	333.1	339.3	347.0
50°	288.4	289.9	291.5	294.6	299.2	302.3	305.4	311.5	317.7	322.3	330.0
52.5°	271.4	273.0	274.5	277.6	283.8	285.3	288.4	294.6	299.2	305.4	311.5
55°	254.5	256.0	257.6	260.6	265.3	268.4	269.9	276.1	280.7	286.9	293.0
57.5°	237.5	239.1	240.6	243.7	246.8	249.8	251.4	256.0	262.2	266.8	273.0
60°	219.0	220.5	222.1	223.6	228.3	229.8	231.3	236.0	240.6	246.8	251.4
62.5°	200.5	200.5	202.0	203.6	208.2	209.7	211.3	214.4	220.5	223.6	228.3
65°	180.4	180.4	182.0	183.5	186.6	188.2	189.7	192.8	197.4	200.5	205.1
67.5°	158.9	158.9	160.4	161.9	165.0	166.6	166.6	171.2	174.3	177.4	180.4
70°	138.8	138.8	140.3	140.3	141.9	143.4	145.0	148.1	149.6	154.2	155.8
72.5°	117.2	117.2	117.2	117.2	120.3	120.3	121.8	124.9	126.5	129.6	132.6
75°	94.1	94.1	95.6	95.6	97.2	98.7	100.2	101.8	104.9	106.4	108.0
77.5°	74.0	72.5	74.0	75.6	77.1	77.1	78.7	80.2	81.7	84.8	86.4
80°	52.4	52.4	52.4	54.0	55.5	55.5	57.1	58.6	60.1	63.2	64.8
82.5°	33.9	33.9	35.5	35.5	37.0	38.6	38.6	40.1	41.6	44.7	46.3
85°	18.5	18.5	18.5	20.0	21.6	21.6	23.1	24.7	27.8	29.3	32.4
87.5°	6.2	6.2	7.7	9.3	10.8	10.8	12.3	13.9	15.4	18.5	20.0
90°	1.5	1.5	1.5	3.1	3.1	4.6	4.6	6.2	7.7	9.3	10.8
92.5°	6.2	10.8	17.0	24.7	23.1	24.7	17.0	10.8	10.8	10.8	12.3
95°	18.5	27.8	44.7	70.9	92.5	104.9	115.7	126.5	148.1	149.6	143.4
97.5°	37.0	50.9	81.7	115.7	154.2	174.3	189.7	222.1	256.0	277.6	303.8
100°	61.7	81.7	121.8	168.1	212.8	239.1	263.7	310.0	351.6	388.7	428.8
102.5°	91.0	114.1	163.5	220.5	276.1	305.4	331.6	385.6	442.6	492.0	535.2
105°	121.8	148.1	206.7	271.4	334.7	368.6	401.0	459.6	519.7	573.7	624.6
107.5°	155.8	183.5	246.8	319.3	390.2	428.8	464.2	527.5	590.7	649.3	703.3
110°	188.2	219.0	285.3	364.0	444.2	482.7	518.2	587.6	653.9	715.6	772.7



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	222.1	254.5	320.8	407.2	488.9	529.0	566.0	640.0	709.4	772.7	829.7
115°	254.5	285.3	354.7	444.2	527.5	569.1	609.2	684.8	757.3	820.5	879.1
117.5°	285.3	314.6	385.6	475.0	561.4	603.0	643.1	721.8	794.3	860.6	917.7
120°	316.2	342.4	419.5	501.2	589.2	630.8	672.4	751.1	825.1	891.4	950.0
122.5°	343.9	368.6	444.2	524.4	610.7	653.9	694.0	774.2	849.8	916.1	973.2
125°	368.6	391.7	467.3	542.9	629.2	670.9	712.5	791.2	866.8	931.5	990.1
127.5°	393.3	416.4	484.3	561.4	641.6	684.8	724.9	803.5	877.6	943.9	1000.9
130°	419.5	436.5	501.2	578.4	653.9	694.0	735.7	811.2	883.7	948.5	1005.6
132.5°	441.1	456.5	518.2	592.2	663.2	701.7	738.8	814.3	886.8	948.5	1004.0
135°	461.1	473.5	530.5	604.6	670.9	706.4	741.8	812.8	883.7	945.4	999.4
137.5°	479.6	492.0	541.3	613.8	677.1	707.9	741.8	808.2	876.0	937.7	988.6
140°	496.6	505.9	550.6	618.5	680.1	709.4	738.8	800.4	863.7	923.8	974.7
142.5°	513.6	521.3	558.3	621.5	681.7	709.4	737.2	791.2	849.8	908.4	959.3
145°	525.9	533.6	564.5	623.1	680.1	706.4	731.0	781.9	834.4	888.4	937.7
147.5°	539.8	546.0	570.6	620.0	675.5	700.2	723.3	769.6	817.4	866.8	913.0
150°	549.1	555.2	573.7	616.9	667.8	690.9	714.1	757.3	800.4	843.6	883.7
152.5°	558.3	562.9	578.4	612.3	658.6	680.1	701.7	743.4	783.5	822.0	857.5
155°	566.0	570.6	581.4	609.2	647.8	667.8	687.9	728.0	765.0	798.9	831.3
157.5°	573.7	576.8	584.5	604.6	635.4	653.9	672.4	707.9	741.8	775.8	802.0
160°	579.9	581.4	587.6	603.0	624.6	638.5	655.5	687.9	718.7	748.0	772.7
162.5°	586.1	586.1	590.7	599.9	615.4	624.6	637.0	664.7	692.5	718.7	741.8
165°	589.2	589.2	592.2	598.4	607.7	613.8	621.5	640.0	661.6	684.8	706.4
167.5°	592.2	592.2	593.8	596.9	603.0	606.1	609.2	621.5	635.4	652.4	669.3
170°	595.3	593.8	593.8	596.9	598.4	599.9	601.5	607.7	613.8	624.6	633.9
172.5°	595.3	593.8	593.8	595.3	595.3	595.3	595.3	596.9	598.4	604.6	607.7
175°	595.3	593.8	593.8	593.8	593.8	592.2	592.2	592.2	592.2	592.2	593.8
177.5°	595.3	593.8	592.2	592.2	590.7	590.7	589.2	589.2	587.6	587.6	587.6
180°	584.5	584.5	584.5	584.5	584.5	584.5	584.5	584.5	584.5	584.5	584.5



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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
0°	434.9	434.9	434.9	434.9	434.9	434.9	434.9	434.9	434.9	434.9
2.5°	436.5	436.5	434.9	434.9	433.4	433.4	431.8	430.3	428.8	428.8
5°	438.0	436.5	434.9	434.9	434.9	433.4	433.4	433.4	431.8	431.8
7.5°	438.0	438.0	438.0	436.5	436.5	436.5	436.5	436.5	434.9	434.9
10°	439.5	439.5	439.5	439.5	439.5	439.5	439.5	438.0	438.0	438.0
12.5°	439.5	439.5	439.5	441.1	441.1	441.1	441.1	441.1	441.1	441.1
15°	441.1	441.1	442.6	442.6	444.2	444.2	445.7	445.7	445.7	444.2
17.5°	439.5	441.1	442.6	444.2	445.7	445.7	447.3	447.3	447.3	447.3
20°	439.5	442.6	444.2	445.7	447.3	447.3	448.8	450.3	450.3	448.8
22.5°	438.0	441.1	442.6	445.7	447.3	447.3	450.3	450.3	450.3	450.3
25°	436.5	439.5	442.6	445.7	447.3	447.3	450.3	450.3	451.9	451.9
27.5°	433.4	436.5	441.1	444.2	445.7	447.3	448.8	450.3	450.3	450.3
30°	428.8	433.4	438.0	441.1	442.6	444.2	445.7	447.3	448.8	448.8
32.5°	422.6	427.2	431.8	436.5	438.0	439.5	442.6	444.2	444.2	444.2
35°	416.4	421.0	425.7	430.3	431.8	433.4	436.5	438.0	439.5	439.5
37.5°	407.2	411.8	416.4	421.0	422.6	425.7	428.8	430.3	430.3	430.3
40°	393.3	401.0	407.2	411.8	413.3	416.4	418.0	421.0	421.0	421.0
42.5°	380.9	387.1	391.7	397.9	399.5	404.1	407.2	408.7	410.2	410.2
45°	367.1	373.2	377.9	382.5	384.0	387.1	390.2	391.7	393.3	394.8
47.5°	353.2	357.8	362.4	367.1	368.6	371.7	374.8	376.3	377.9	377.9
50°	336.2	340.8	345.5	350.1	351.6	354.7	356.3	357.8	359.4	359.4
52.5°	317.7	322.3	327.0	331.6	333.1	334.7	337.8	339.3	340.8	340.8
55°	299.2	303.8	306.9	311.5	313.1	314.6	316.2	319.3	320.8	319.3
57.5°	277.6	282.2	285.3	289.9	291.5	293.0	294.6	296.1	297.7	297.7
60°	254.5	259.1	263.7	266.8	268.4	269.9	271.4	273.0	274.5	274.5
62.5°	231.3	236.0	239.1	243.7	245.2	245.2	246.8	248.3	249.8	249.8
65°	208.2	212.8	214.4	219.0	219.0	220.5	222.1	223.6	223.6	223.6
67.5°	183.5	188.2	189.7	192.8	192.8	194.3	195.9	197.4	197.4	197.4
70°	160.4	161.9	165.0	166.6	168.1	168.1	169.7	171.2	172.7	171.2
72.5°	135.7	137.3	140.3	141.9	141.9	143.4	143.4	145.0	146.5	146.5
75°	111.0	114.1	115.7	117.2	118.8	118.8	120.3	121.8	121.8	121.8
77.5°	87.9	91.0	92.5	94.1	95.6	95.6	97.2	97.2	98.7	97.2
80°	67.9	69.4	70.9	72.5	74.0	74.0	75.6	77.1	77.1	77.1
82.5°	49.4	50.9	54.0	55.5	55.5	55.5	58.6	58.6	60.1	58.6
85°	33.9	35.5	38.6	40.1	41.6	41.6	41.6	43.2	44.7	43.2
87.5°	21.6	24.7	26.2	27.8	27.8	27.8	29.3	30.8	30.8	30.8
90°	12.3	12.3	13.9	15.4	15.4	17.0	17.0	18.5	18.5	18.5
92.5°	12.3	13.9	13.9	13.9	15.4	15.4	15.4	17.0	17.0	17.0
95°	104.9	75.6	43.2	33.9	29.3	29.3	27.8	29.3	27.8	27.8
97.5°	317.7	343.9	356.3	373.2	382.5	380.9	374.8	380.9	376.3	380.9
100°	451.9	476.6	495.1	499.7	509.0	513.6	530.5	542.9	549.1	556.8
102.5°	561.4	590.7	612.3	624.6	633.9	640.0	660.1	678.6	687.9	694.0
105°	661.6	692.5	718.7	731.0	741.8	748.0	769.6	791.2	805.1	812.8
107.5°	741.8	777.3	805.1	823.6	834.4	845.2	871.4	893.0	909.9	917.7
110°	814.3	849.8	879.1	900.7	913.0	923.8	953.1	977.8	996.3	1005.6



TEST NUMBER: P393798

CATALOG NUMBER: I3-CL-60L840-1D-UNV-STD-W-4

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
112.5°	874.5	913.0	942.3	965.5	977.8	993.2	1021.0	1048.7	1067.3	1078.1
115°	923.8	963.9	994.8	1019.4	1033.3	1047.2	1079.6	1107.4	1125.9	1133.6
117.5°	965.5	1005.6	1038.0	1062.6	1078.1	1093.5	1125.9	1150.5	1170.6	1176.8
120°	999.4	1039.5	1071.9	1099.6	1115.1	1128.9	1159.8	1186.0	1204.5	1209.1
122.5°	1022.5	1064.2	1098.1	1128.9	1142.8	1156.7	1186.0	1212.2	1229.2	1233.8
125°	1039.5	1082.7	1116.6	1149.0	1162.9	1176.8	1204.5	1230.7	1244.6	1250.8
127.5°	1050.3	1093.5	1130.5	1161.3	1176.8	1189.1	1216.9	1240.0	1253.9	1258.5
130°	1053.4	1098.1	1135.1	1167.5	1181.4	1193.7	1219.9	1243.1	1255.4	1258.5
132.5°	1053.4	1096.6	1135.1	1166.0	1179.8	1192.2	1216.9	1238.4	1250.8	1253.9
135°	1047.2	1088.8	1127.4	1158.3	1172.1	1184.5	1209.1	1227.7	1240.0	1241.5
137.5°	1036.4	1076.5	1113.5	1144.4	1158.3	1170.6	1192.2	1212.2	1223.0	1226.1
140°	1022.5	1059.5	1096.6	1125.9	1139.7	1150.5	1172.1	1189.1	1199.9	1203.0
142.5°	1004.0	1041.0	1075.0	1104.3	1115.1	1127.4	1145.9	1162.9	1172.1	1175.2
145°	984.0	1019.4	1050.3	1076.5	1088.8	1099.6	1116.6	1132.0	1141.3	1144.4
147.5°	957.8	993.2	1022.5	1047.2	1058.0	1068.8	1084.2	1098.1	1107.4	1110.4
150°	925.4	957.8	988.6	1011.7	1022.5	1033.3	1048.7	1061.1	1070.3	1071.9
152.5°	893.0	923.8	950.0	973.2	984.0	994.8	1008.7	1021.0	1031.8	1031.8
155°	862.1	888.4	913.0	933.1	942.3	951.6	965.5	976.3	985.5	985.5
157.5°	829.7	854.4	874.5	893.0	900.7	908.4	920.7	930.0	937.7	936.2
160°	798.9	817.4	835.9	851.3	859.0	865.2	874.5	882.2	889.9	888.4
162.5°	765.0	781.9	797.4	808.2	814.3	819.0	828.2	835.9	840.5	840.5
165°	726.4	741.8	755.7	766.5	772.7	775.8	783.5	788.1	792.7	792.7
167.5°	686.3	698.7	711.0	720.2	726.4	729.5	737.2	740.3	746.5	744.9
170°	646.2	655.5	664.7	672.4	675.5	678.6	684.8	687.9	690.9	690.9
172.5°	613.8	616.9	621.5	627.7	627.7	629.2	632.3	633.9	635.4	635.4
175°	595.3	596.9	596.9	596.9	596.9	596.9	598.4	596.9	598.4	596.9
177.5°	587.6	587.6	586.1	586.1	584.5	586.1	584.5	583.0	583.0	581.4
180°	584.5	584.5	584.5	584.5	584.5	584.5	584.5	584.5	584.5	584.5

(END OF REPORT)